

Growth rates and survival of western rock lobster (<i>Panulirus cygnus</i>) at two temperatures (ambient and 23°C) and two feeding frequencies D. Johnston, R. Melville-Smith, B. Hendriks (North Beach, Western Australia, Australia) and B. Phillips (Western Australia, Australia)	77
Identification of conditions underlying production of geosmin and 2-methylisoborneol in a recirculating system L. Guttman and J. van Rijn (Rehovot, Israel)	85
The effects of partially substituting Indian carps or adding silver carp on polycultures including small indigenous fish species (SIS) A. Milstein (Israel), A. Kadir and M.A. Wahab (Mymensingh, Bangladesh)	92
Field and laboratory pilot rearing experiments with early ontogenic stages of <i>Concholepas concholepas</i> (Gastropoda: Muricidae) P.H. Manríquez (Valdivia, Santiago, Chile), A.P. Delgado (Santiago, Chile), M.E. Jara (Valdivia, Chile) and J.C. Castilla (Santiago, Chile)	99
Effect of feeding apidaecin on common carp (<i>Cyprinus carpio</i>) growth performances and immune function X.-x. Zhou, Y.-b. Wang and W.-f. Li (Hangzhou, China)	108
Sexing accuracy and indicators of maturation status in captive Murray cod <i>Maccullochella peelii peelii</i> using non-invasive ultrasonic imagery D.M. Newman, P.L. Jones (Warrnambool, Victoria, Australia) and B.A. Ingram (Alexandra, Victoria, Australia)	113
Fluctuating asymmetry, abnormalities and parasitism as indicators of environmental stress in cultured stocks of goldfish and carp D. Almeida, A. Almodóvar (Madrid, Spain), G.G. Nicola (Toledo, Spain) and B. Elvira (Madrid, Spain)	120

Nutrition

Enriching rotifers with "premium" microalgae. <i>Isochrysis</i> aff. <i>galbana</i> clone T-ISO M. Ferreira, A. Maseda, J. Fábregas and A. Otero (Santiago de Compostela, Spain)	126
---	-----

Physiology and Endocrinology

Aspects of gametogenesis, oocyte morphology and maturation of the lugworm <i>Arenicola marina</i> (Annelida: Polychaeta) in relation to commercialised procedures to extend the breeding season K.A. Betteley (Newcastle upon Tyne, UK), G.J. Watson (Portsmouth, UK), L. Hannah and M.G. Bentley (Newcastle upon the Tyne, UK)	131
Existence of APGWamide in the testis and its induction of spermiogenesis in <i>Haliotis asinina</i> Linnaeus P. Chansela, P. Saitongdee (Bangkok, Thailand), P. Stewart, N. Soonklang (Pathumthani, Thailand), M. Stewart (Geelong, Victoria, Australia), W. Suphamungmee (Bangkok, Thailand), T. Poomtong (Geelong, Victoria, Australia) and P. Sobhon (Bangkok, Thailand)	142
Acute and chronic hypoxia affects HIF-1 α mRNA levels in sea bass (<i>Dicentrarchus labrax</i>) G. Terova, S. Rimoldi, S. Corà, G. Bernardini, R. Gornati, M. Saroglia (Varese, Italy)	150
Effect of light on oxygen consumption and ammonia excretion in <i>Haliotis discus discus</i> , <i>H. gigantea</i> , <i>H. madaka</i> and their hybrids F. Ahmed, S. Segawa, M. Yokota and S. Watanabe (Tokyo)	160
Ontogeny of the digestive tract of thick lipped grey mullet (<i>Chelon labrosus</i>) larvae reared in "mesocosms" D. Zouiten, I.B. Khemis, R. Besbes (Monastir, Tunisia) and C. Cahu (Plouzané, France)	166
Development of cryopreservation for maintaining yellow catfish <i>Pelteobagrus fulvidraco</i> sperm J. Pan, S. Ding, J. Ge, W. Yan, C. Hao, J. Chen and Y. Huang (Nanjing, China)	173
Identification of single nucleotide polymorphism cytochrome P450-c19a and its relation to reproductive traits in Japanese flounder (<i>Paralichthys olivaceus</i>) F. He, H.S. Wen, S.L. Dong, B. Shi, C.F. Chen, L.S. Wang, J. Yao, X.J. Mu and Y.G. Zhou (Qingdao, China)	177
Can enzymatic antioxidant defences in liver discriminate between wild and sea cage-reared Bluefin Tuna quality? I. Ferrante (Rome, Italy), R. Ricci, E. Aleo, S. Passi and S. Cataudella (Pomezia (Rome), Italy)	182
The timing of puberty in cultured female yellowtail flounder, <i>Limanda ferruginea</i> (Storer): Oogenesis and sex steroid production <i>in vivo</i> and <i>in vitro</i> A.J. Manning, M.P.M. Burton and L.W. Crim (Canada)	188
The existence of gonadotropin-releasing hormone (GnRH) immunoreactivity in the ovary and the effects of GnRHs on the ovarian maturation in the black tiger shrimp <i>Penaeus monodon</i> A. Ngernsounnern, P. Ngernsounnern, (Bangkok, Mahasarakham, Thailand), W. Weerachatanukul, J. Chavadej, P. Sobhon and P. Sretarugsa (Bangkok, Thailand)	197
Morphological characterization of Arctic char, <i>Salvelinus alpinus</i> , eggs subjected to rapid post-ovulatory aging at 7 °C N. Mansour, F. Lahnsteiner (Austria), M.A. McNiven, G.F. Richardson (Canada)	204

Short Communications

Anisakid larva in the viscera of a farmed Atlantic salmon (<i>Salmo salar</i>) G.D. Marty (Abbotsford, BC, Canada)	209
Immobilization antigen-independent protection of olive flounder (<i>Paralichthys olivaceus</i>) against <i>Philasterides dicentrarchi</i> (Ciliophora: Scuticociliatia) infection E.H. Lee and K.H. Kim (Pusan, South Korea)	211

Contents of Aquaculture, Volume 279	214
---	-----